

Claims

1. A system for supplying liquid comprising a tapping point (15) for drawing off liquid from the system, a liquid pipe (4, 5, 12, 13, 16, 18) that connects the tapping point with a flow regulator (2, 41), which in an active mode passes liquid from a liquid source (1, 40) through the pipe to the tapping point and in an inactive mode prevents the flow of liquid through the liquid pipe, a liquid purifier (6), which is connected to the liquid pipe between the tapping point and the flow regulator and which comprises an electrical UV light source (10) and means for automatically lighting up the UV light source (10) when the flow regulator (2, 40) is activated for passing liquid through the liquid pipe and the tapping point, **characterized in** that the flow regulator (2, 41) is controlled electrically and is connected to a voltage source (21) via an electrical supply lead (24a, 24b, 42a, 42b) and in that the means for automatically lighting up the UV light source (10) is arranged to detect a supply current that passes through the supply lead when the flow regulator is activated and to light up the UV light source when the supply current passes through the supply lead.
2. The system as claimed in claim 1, wherein the means for automatically lighting up the UV light source (10) comprises an electronic control circuit (27) which is connected to one of the flow regulator's (2, 40) electrical supply leads (24a, 24b, 42a, 42b) and to a microprocessor (29) and wherein the electronic control circuit is arranged to send an operating signal (30) when the flow regulator (2, 40) is activated, whereupon a supply current passes through the supply lead of the flow regulator and the microprocessor is arranged to detect the operating signal and light up the UV light source by connecting the UV light source to the voltage source (21) when the control circuit sends the operating signal.
3. The system as claimed in claim 2, wherein the electronic control circuit (27) comprises means (35) for breaking the supply current to the flow regulator (2, 40) as a result of an order signal (31) from the microprocessor (29).

4. The system as claimed in claim 3 or 4, wherein the electronic control circuit comprises a so-called high side driver (27).

5. The system as claimed in claim 1, wherein a diode is connected between one of the flow regulator's supply leads and earth and in that a microprocessor is arranged to detect a drop in voltage across the diode when the flow regulator is activated and to connect the UV light source to the voltage source when the microprocessor detects the drop in voltage across the diode.

10 6. The system according to any one of Claims 1 - 5, wherein the flow regulator consists of an electrical liquid pump (2), which is controlled by a pump switch (26) which is arranged on one of the pump's electrical supply leads (24a, 24b).

15 7. The system according to any one of Claims 1 - 5, wherein the flow regulator consists of an electrically-controlled valve (41), which comprises an electrical control device (41a), with the valve normally being closed and being opened when the control device is activated by passing a supply current through the control device's electrical supply leads (42a, 42b).

20 8. The system according to any one of Claims 6 or 7, wherein a pressure sensor (28) is arranged in the liquid pipe (4, 5, 11, 12, 13, 16, 18) or the flow regulator (2, 40) and is connected to the pump switch (26) or the valve's (41) electrical control device (41a), so that the flow regulator is activated when the pressure in the liquid pipe is less than a predetermined level.

25 9. The system according to any one of Claims 1 - 8, wherein the flow regulator (2, 40) and the UV light source are connected to one and the same voltage source (21).

30 10. The system according to any one of Claims 1 - 9, wherein the voltage source (17) is a 12 V DC voltage source.